Handling Multiple Exposures

COVID-19 Community Team Outreach

CCTO functionality can help you document multiple exposures to source patients:

Understanding Monitoring Events

Each contact profile represents a single monitoring event in CCTO. A ***monitoring event*** **is defined as a continuous monitoring period following exposure to COVID-19, which may include exposure to more than one source patient (or ongoing exposure) and extend beyond the duration of an initial quarantine period.** If a contact is exposed to **more than one source patient** while being monitored or if exposure becomes **ongoing**, this information is **incorporated into the existing monitoring event.** When a contact concludes a monitoring period, the monitoring event is closed and deactivated.

If a contact is re-exposed following a closed monitoring event, a case investigator will clone the deactivated profile, which creates a new monitoring event with the same C# (unique contact identifier) and basic contact information but a different *Event #.* This designates a new exposure that resulted in a new monitoring event, and these profiles are linked by their shared C#. *See the illustration at the right for an example scenario of a contact with 3 different monitoring events.*

Multiple/Ongoing Exposures Within A Monitoring Event

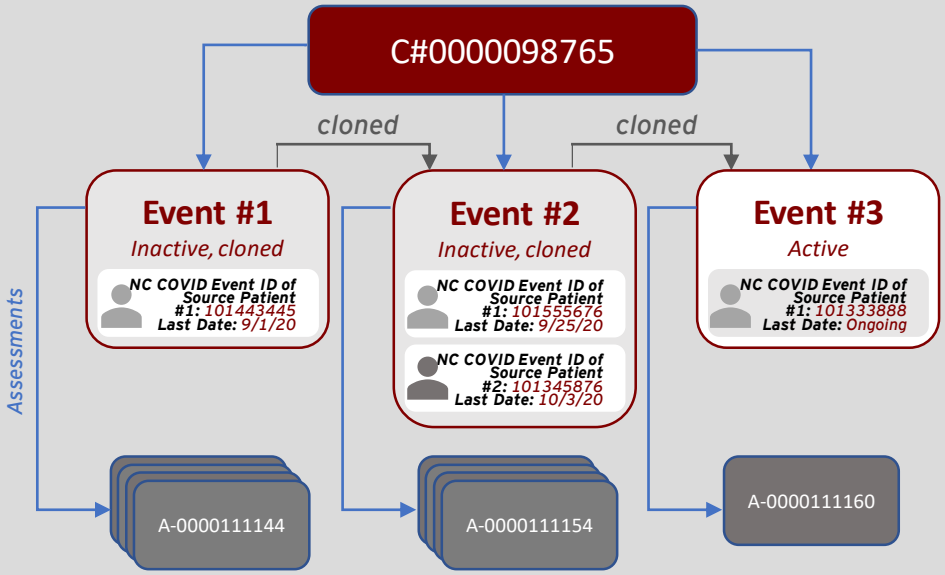
Updates to exposure while a contact is being monitored do not require a new monitoring event. This information can be added to the contact's current profile:

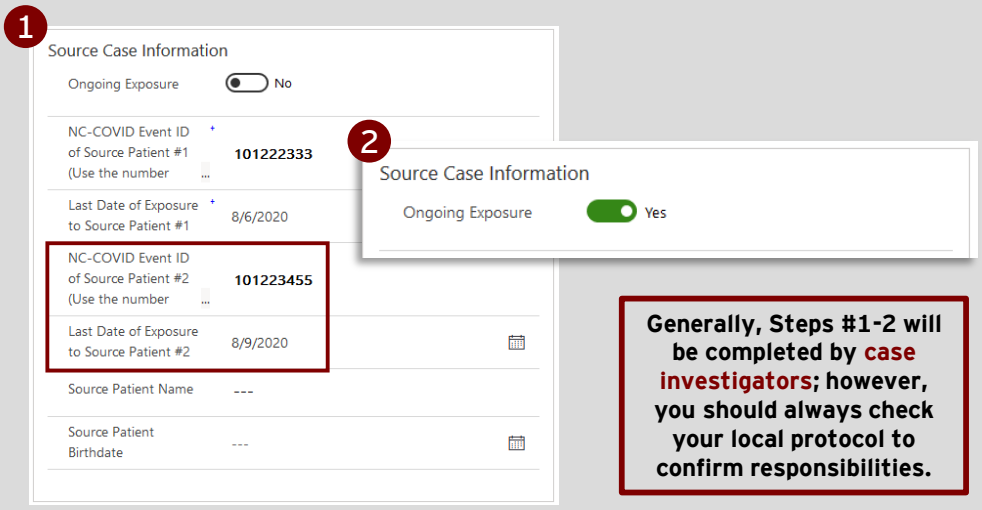
1. If a contact is exposed to a new source patient **during an active monitoring period,** you can enter this information in **"NC COVID Event ID of Source Patient #2"** and **"Last Date of Exposure to Source Patient #2"** under "Source Case Information." *Please check your local protocol on documentation for three or more exposures.*
2. If a contact's exposure to COVID-19 is or becomes ongoing (e.g. due to living with a case patient), this is indicated by turning on the **"Ongoing Exposure"** toggle.
3. When a contact's last date of exposure has changed or becomes ongoing, contact tracers should remember to update "Monitoring End Date" and extend the monitoring period as needed.

1. **"...Source Patient #2"**
2. **"Ongoing Exposure"**
3. **"Monitoring End Date"**

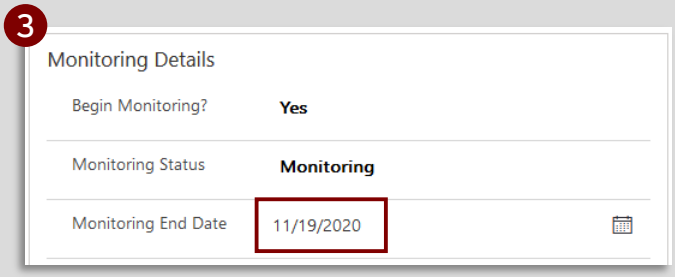
Example of C#, Events, and Assessments

1. **Concluded one monitoring period**
2. **Exposed again and concluded second monitoring period (with multiple case patients)**
3. **Exposed a third time and actively being monitored with an ongoing exposure**





Generally, Steps #1-2 will be completed by case investigators; however, you should always check your local protocol to confirm responsibilities.



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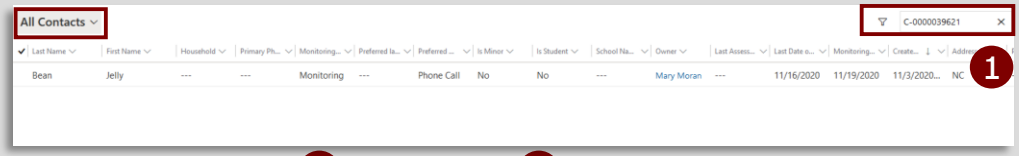
Exposures Outside Existing Monitoring Events

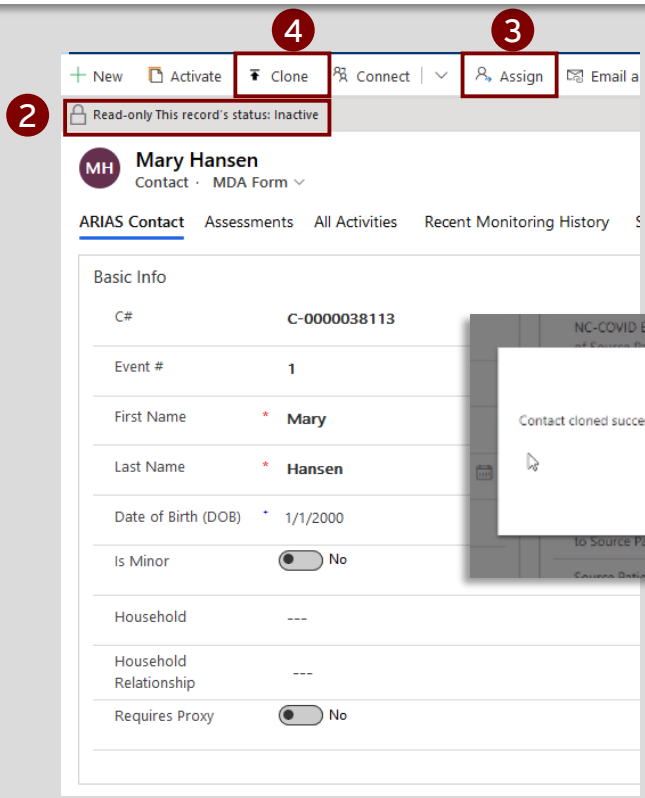
If a contact is re-exposed following a closed monitoring period, the case investigator will need to create a new monitoring event:

1. Search the **"All Contacts"** view by a key piece of contact info, such as a phone number, to determine if a contact has a pre-existing monitoring event. *See next page for more information on searching a contact's monitoring history.*
2. Check if this event is active or inactive. **If the event is inactive, then continue this process to create a new monitoring event.** *If the event is active, see the previous section on updating exposures.*
3. **Assign this contact to yourself.** This ensures the contact clones correctly and is automatically assigned to you.
4. **To create a new monitoring event for this contact, click "Clone,"** and you will receive a message stating "Contact cloned successfully." **Contact profiles that have been cloned cannot be cloned again.** You can only clone a deactivated record that represents a contact's most recent monitoring event. If you attempt to clone an active profile, or if you attempt to clone a monitoring event that has already been cloned, you will receive an error message.
5. **Cloning a deactivated profile creates a new monitoring event with the same C#, which is this contact's unique identifier that cannot be changed.** You can verify that you have created a new monitoring event for this contact by reviewing **"Event #,"** which increases by one each time the contact is cloned. **Some contact information, such as contact info and address, will automatically transfer to the new profile, but contact tracers are responsible for confirming and/or updating all profile information on cloned contacts.**

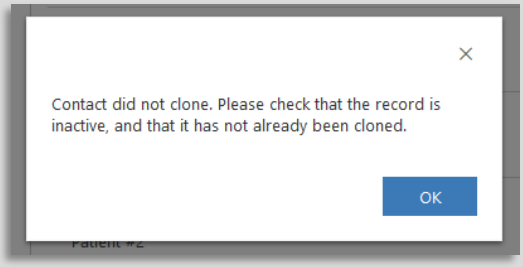
1. **Search "All Contacts"**
2. **Return to deactivated profile**
3. **"Assign"**
4. **"Clone"**
5. **New monitoring event created**

Cloning should only be used if a contact will require a new monitoring period in CCTO. Any new information about exposures that occurred during a previous, closed monitoring period should be incorporated into the event for that monitoring period.

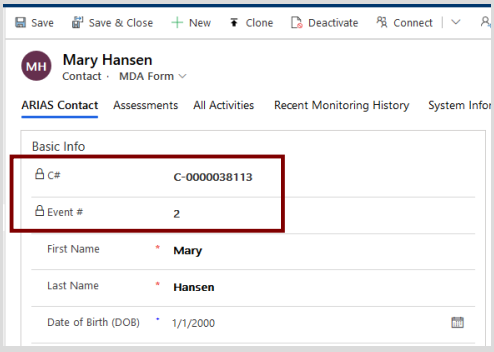




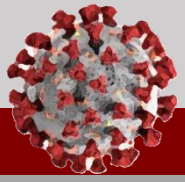
If you accidentally create a clone, do not delete it. Label the contact as a duplicate and deactivate.



You will receive this error if you attempt to clone a profile that is active or that has already been cloned. You can only clone a deactivated record that represents a contact's most recent monitoring event.



In most cases, case investigators will clone contacts; however, contact tracers are responsible for confirming and updating all information on cloned contacts. When you are assigned a contact, remember to review the Event #. If the Event # is greater than 1, the contact profile was created through cloning.



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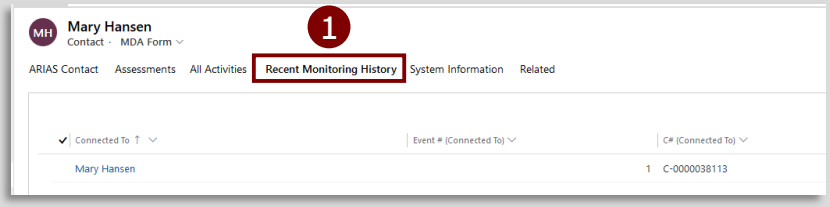
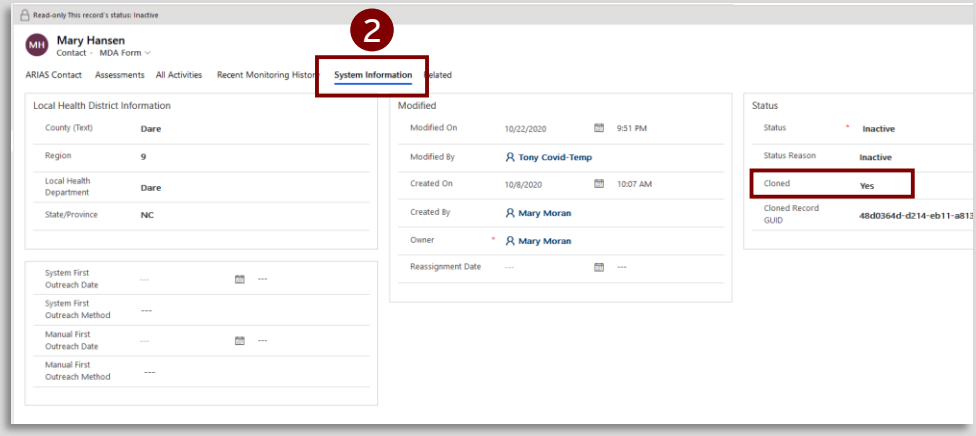
Reviewing Monitoring History on Contact Profiles

There are two ways to learn more about a contact's monitoring history on their profile:

1. You can visit the **"Recent Monitoring History"** page on a contact's profile to view the monitoring events immediately preceding and following (if applicable) this monitoring event.
2. Under the "System Information" page, there is also a **"Cloned"** field. This field will read "Yes" for profiles that have already been cloned. It will read "No" for profiles that have not been cloned, which represent the most recent monitoring event for a contact.

1. **"Monitoring History"**
2. **"Cloned" Field**





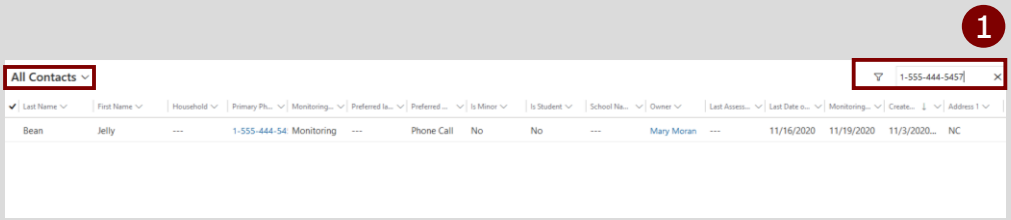
Views for Multiple Monitoring Events

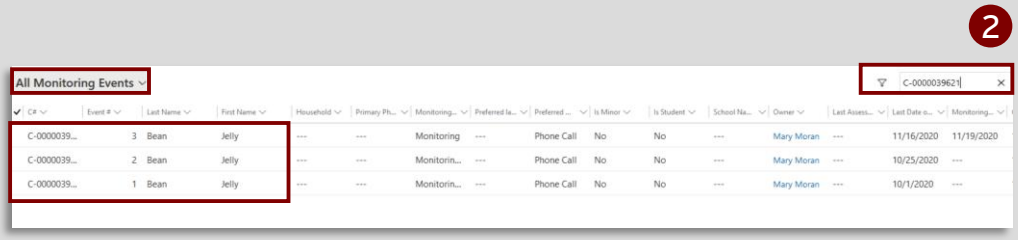
The **All Contacts** view will now **show you the most recent monitoring event for all contacts,** whether active or inactive. Searching this view by a key piece of contact info, such as a phone number, will allow you to check if a contact has a pre-existing monitoring event.

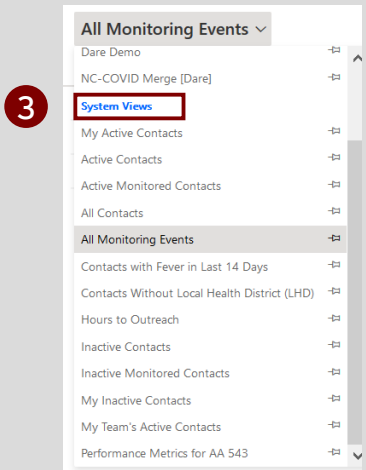
The **All Monitoring Events** view has been **created to show you all monitoring events for all contacts, both active and inactive.** The "Event #" column is located at the left for your convenience, and the highest Event # associated with a contact will always be their most recent monitoring event. Searching this view by C# will allow you to view a contact's entire monitoring history.

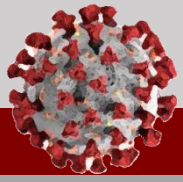
All system views for contacts except the "All Monitoring Events" view default to showing only the most recent monitoring event for each contact in accordance with the filters of the view.

1. **"All Contacts"**
2. **"All Monitoring Events"**
3. **System Views**









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Review the following examples to help guide your work:

Example Scenarios for Cloning vs. Updating Existing Events

Cloning should only be used if a contact will require a new monitoring period in CCTO. Any new information about exposures that occurred during a previous, closed monitoring period should be incorporated into the event for that monitoring period. Please review the scenarios at the right for examples of handling changes to exposures.

1. New exposure *while* under monitoring
2. New *info* about exposure that occurred *during previous monitoring*
3. New exposure that occurs *following a closed monitoring period*

Contacts should only be cloned if they have ended their previous monitoring period and require additional monitoring in a new monitoring event. For example:

1. A contact's monitoring begins following an exposure on 10/15, and they are exposed to a new case patient in 10/17 (while being monitored). The second exposure can be added to "Last Date of Exposure to Source Patient #2" and "NC COVID Event ID of Source Patient #2." "Monitoring End Date" should also be extended to accommodate the most recent exposure. **This contact should not be cloned.**

2. A contact was exposed on 10/15, became a case on 10/19, and was deactivated. On 10/30, it was discovered that this contact was also exposed on 10/17. Because this contact does not need additional monitoring in the Tool, the contact record can be reactivated, the new exposure can be added to Source Case #2 fields, and the contact can be deactivated again. **This contact should not be cloned.**

3. A contact is exposed on 10/15, and their monitoring is completed on 10/29. If this contact is re-exposed on 11/1 (or any date after 10/29), **this contact needs a new monitoring event to mark a new monitoring period, and they should be cloned.**